

# Top Shoot

You need ☒ a calculator

☒ a computer (optional)

## Activity

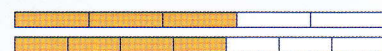
It's the start of the netball season, and four girls in the Mount Forest team want the goal shoot position. Their coach decides to hold two lunchtime trial games. The girl with the best results will be opening shoot. The coach explains that she will look at both accuracy and total goals scored.

Here are the goals and attempts for each of the four girls (goals:attempts):

	Trial game 1	Trial game 2
Rowena	1st half Red 7:12	2nd half Blue 11:14
Mere	1st half Blue 9:15	2nd half Red 13:18
Toni	2nd half Blue 12:21	1st half Red 8:14
Peti	2nd half Red 9:13	1st half Blue 6:7



1. How can the coach compare the accuracy of the girls?
2. Who had the best shooting record at the end of the first trial game? Explain.
3. Who will be opening shoot when the season starts? Explain.



3 goals from 5 attempts is good. But is it better than 4 goals from 7 attempts?

An Idea:

Use a computer drawing program to compare ratios:

- i. Draw a small rectangle.
- ii. Copy and paste the rectangle as often as necessary to make a strip for each ratio. Fill rectangles to show the ratios.
- iii. Group the parts of the shorter strip and then stretch it until it is the same length as the other one (iv).

- i.
- ii.
- iii.
- iv.